

Code: BA2T4

PVP 12

I MBA - II Semester - Regular Examinations JULY 2014

PRODUCTION AND OPERATIONS MANAGEMENT

Duration: 3 hours

Max. Marks: 70 M

SECTION-A

1. Answer any FIVE of the following: 5 x 2 = 10 M

- a. Value analysis
- b. Process design
- c. Demand forecasting
- d. Sequencing
- e. Job design
- f. Work sampling
- g. ISO 9000 series
- h. C-chart

SECTION – B

Answer the following: 5 x 10 = 50 M

2. a) Define POM? Explain the scope and importance of POM?

OR

b) Write about the role of CAD and CAM in modern operations management?

3. a) Explain the advantages and limitations of different types of lay outs ?

OR

- b) How to determine feasible production alternatives for optimal production strategy?
4. a) Define Scheduling ? Explain its importance in mass and continuous productions?
- OR
- b) Differentiate between PERT and CPM?
5. a) Define Work measurement? Explain what are the steps involved in work measurement?
- OR
- b) Write any five productivity improvement techniques?
6. a) Define SQC? Explain the control charts for variables (X-bar and R-Charts)?
- OR
- b) Write about the importance of six sigma technique?

SECTION – C

7. Case Study

1 x 10 = 10 M

A consignment is inspected by the SQC team, as the material is brought in by the vendor to the ware house. The results are given in the table below (there are sample of 100 items choosen every time the inspection is carried out)

Lot number	1	2	3	4	5	6	7	8	9	10	11	12
No. of defectives	10	12	15	10	12	11	12	13	14	20	15	17

Draw P-chart, with the identification of any out of control lot (beyond the acceptable limit)